CLAIMS

1. A method of treating cancer in a host in need of treatment comprising administering to said host an anti-cancer effective amount of a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000.

2. The method of Claim 1 wherein n is 4 to 500.

3. The method of Claim 1 wherein n is 51 to 100.

4. The method of Claim 1 wherein n is 4 to 100.

5. The method of Claim 1 wherein n is 4 to 50.

6. A method of treating a host by inhibiting an increase in the volume or mass of a tumor in said host in need of treatment which comprises administering to said host a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 in an amount effective to inhibit an increase in the volume or mass of a tumor.

7. The method of Claim 6 wherein n is 4 to 500.

8. The method of Claim 6 wherein n is 51 to 100.

9. The method of Claim 6 wherein n is 4 to 100.

10. The method of Claim 6 wherein n is 4 to 50.

11. A pharmaceutical composition comprising a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 in an amount effective to treat cancer in a host by inhibiting cancer growth in said host

12. The composition of Claim 11 wherein n is 4 to 500.

13. The composition of Claim 11 wherein n is 51 to 100.

14. The composition of Claim 11 wherein n is 4 to 100.

15. The composition of Claim 11 wherein n is 4 to 50.

16. A pharmaceutical composition comprising an amount of compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 that is effective in inhibiting an increase in the volume or mass of a tumor in a host in need of such inhibiting effect. .

17. The composition of Claim 16 wherein n is 4 to 500.

18. The composition of Claim 16 wherein n is 51 to 100.

19. The composition of Claim 16 wherein n is 4 to 100.

20. The composition of Claim 16 wherein n is 4 to 50.

21. The use of a compound of the formula

[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n

for the manufacture of a medicament useful for the treatment of cancer in a host in need of said treatment and administering said compound in an effective amount to said host wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000.

22. The use of a compound of the formula

[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n

for the manufacture of a medicament useful for inhibiting an increase in the volume or mass of a tumor in a host in need of said treatment and administering said compound in an effective amount to said host wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1 to 1000.

23. The use of Claims 21 and 22 wherein n is 4 to 500.

24. The use of Claims 21 and 22 wherein n is 51 to 100.

25. The use of Claims 21 and 22 wherein n is 4 to 100.

26. The use of Claims 21 and 22 wherein n is 4 to 50.